

# Mineola ISD Preliminary Analysis

## Capital Improvement Needs

---

- 39 HVAC units need to be replaced
  - 13 rooftop units at the high school
  - 26 split systems at the middle school & primary school
- Gym lighting replacement (LED or T5)
- Outside lighting replacement (LED)

## Challenges

---

- Limited funding available to make these improvements
- Substantial capital outlay required (~\$600,000 worth of improvements)
- High-level of technical expertise and experience required to properly setup and commission HVAC equipment with a tied-in building automation system

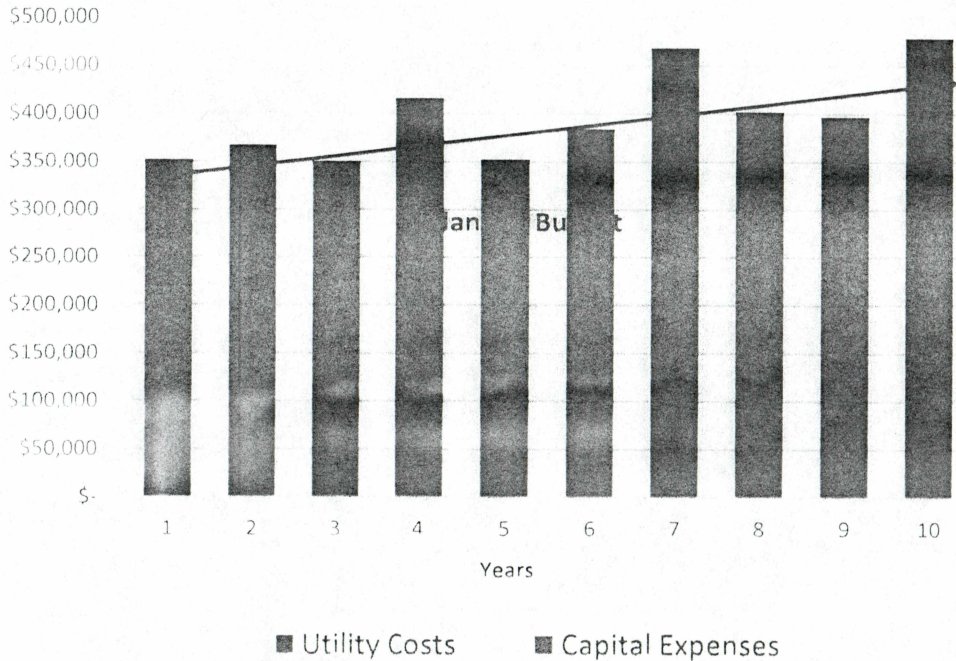
## Solution

---

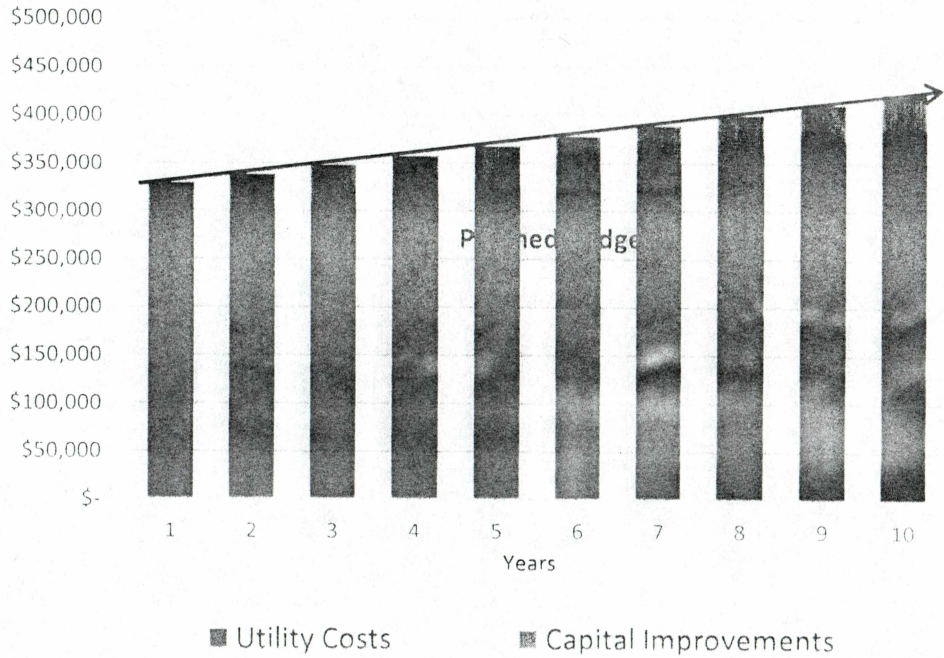
- A cost-savings focused comprehensive project utilizing a customized approach.
- Initial estimate shows that cost savings approach could bring \$300,000 worth of utility savings over 15 years
- Financing resources will provide \$600,000 over 15 year term to Mineola ISD
- Utilizing a conservative interest rate (3%) and accounting for utility savings, estimated cost above savings to Mineola ISD would be \$2,500/month
- Schneider Electric will deliver the project turn-key, seamlessly tied into the existing systems.

# Mineola ISD Preliminary Analysis

### Current State - Budget Volatility



### Future State - Budget Stability



## Middle/Primary School

### Old AC Units

- 25 units are 30+ years old  
12 are 3 tons, 11 are 4 tons and 2 are 7.5 tons

---

## High School

- 2 units are 20+ years
- 11 units are 15+ years

---

## Elementary School

- 5 units are 13+ years



# HVAC Proposal

## Mineola ISD

Attn: Rick Browning

1000 West Loop

Mineola TX 75773

903-569-2448

## RE: Trane heat pump systems

Thank you for the opportunity to quote you for the following Heat pump system change outs for the classrooms as specified below.

### Middle school classroom-

303-(3ton), 301-(3ton), 304-(3ton),  
201-(4ton)202-(4ton), 204-(4ton),  
206-(4ton)102-(4ton), 101-(3ton),  
103-(3ton), 105-(3ton)

### Primary school classrooms-

206-(3ton), 208-(4ton), 205-(3ton)  
209-(3ton), 210-(4ton), 203-(3ton)  
105-(3ton), 101-(3ton), 201-(4ton)  
212-(4ton), ~~302-(3ton)~~, 301-(3ton)  
305-(3ton), 307-(4ton), 310-(3ton)

## Units will be Trane heat pump systems.

3-tons-4TWA3036A4000a

TEM3AOB36S31A

WGM1505A

4-tons-4TWA3048A4000A

TEM3AOB48S31A

WGM1505A

**Description of work performed:**

*Outside:* Remove and dispose of old York heat pumps and install new Trane heat pump systems.

*Inside:* Remove and dispose old York air handler, flush AC lines, install new metal transition and new Trane air handlers, filter base for easy filter changes, check for any freon leaks and start up, run and check for proper operation or equipment.

The following price includes all equipment, duct material and labor to install 16- 3 ton systems and 10- 4 ton systems in the Middle school and Primary school classrooms.

The investment for these 26 Trane complete heat pump systems will be

**\$113,000.00** *108,800*

(Warranties: 5 year all parts, 1 year labor.)

Start date- June- 5/2015

Completion date- August -1/2015

**Note:** WGM1505A heater kits take around 3 weeks to ship out. They have to be built by another company.

*Sincerely,*

Phillip Herrington  
Herrington Heating and AC  
903-569-9584

*"Regulated by the Texas Department of Licensing and Regulation, P.O. Box 12157, Austin, Texas*

*1-800-803-9202. TACL# TACLBO20984E"*





# CHAMBERS

Electrical Contractors LLC  
P.O. Box 2413  
Lindale, Texas 75771

Office: 903-882-1212  
Cell: 903-714-9758  
Fax: 903-882-1219  
TECL #27233

Rickey Browning  
Mineola Independent School District  
100 West Loop 564  
Mineola Texas 75773

May 15, 2015

Project: Elementary Gym  
Mineola, Texas 75773

We propose to furnish material and labor to complete the electrical work for the above mentioned project as listed below:

- 1. Remove existing 400 watt metal halide high bay light fixture ----- 23
- 2. Remove existing fluorescent strip lights ----- 18
- 3. New LED high bay light fixture Lithonia Lighting ----- 23  
# IBH 18000 LM SD080 MD 277 GZ10 50K 80CRI LAOZU WH WGX  
with motion sensor and wire guards

Cost to complete this work will be ----- \$ 14,230.00

Alternate:

Furnish two battery back-up units. Each unit will power two LED fixtures:

Cost to complete this work will be ----- ADD \$ 4,900.00

**This price excludes:**

- 1. Sales tax

Rickey Chambers  
President, Chambers Electrical Contractors